

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electronic circuit ~~for changing that changes~~ a reference voltage value with a transforming circuit to supply ~~it~~ the reference voltage to control terminals of a plurality of current-generating active elements, ~~establishing~~ ~~establishes~~ a conduction state of the plurality of the current-generating active elements, and ~~selecting~~ ~~selects~~ some of the plurality of current-generating active elements based on signals and ~~generating~~ ~~generates~~ a current having a current level corresponding to the signal by superposing currents passing through the current-generating active elements selected by the signal, from among the plurality of current-generating active elements.
2. (Currently Amended) An electronic circuit, comprising:
  - a plurality of current-generating active elements;
  - a transforming circuit ~~for generating~~ ~~that generates~~ an applied voltage ~~which~~ ~~that~~ is applied to control terminals of the plurality of current-generating active elements by changing a reference voltage; and

selection transistors connected in series to each of the plurality of the current-generating active elements,

~~wherein~~ a current having a current level corresponding to signals ~~is being~~ generated by superposing the currents that pass through a selection transistor in which an ON-state is selected, among the selection transistors, based on the signal and the current-generating active elements connected in series to the selected selection transistor from among the plurality of current-generating active elements.

3. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ the transforming circuit ~~comprises~~ ~~comprising~~ a compensating transistor having a function ~~for reducing~~ ~~that reduces~~ the reference voltage value by a predetermined value or a function ~~for adding~~ ~~that adds~~ a predetermined value to the reference voltage value.

4. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ each of the plurality of current-generating active elements ~~comprises~~ ~~including~~ at least one transistor.

5. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ the plurality of current-generating active elements ~~are being~~ connected in parallel to each other.

6. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ each of the plurality of current-generating active elements ~~comprises~~comprising one current generating transistor and the current generating transistors ~~have~~having different gain factors from each other.

7. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ at least one current-generating active element ~~from~~ among the plurality of the current-generating active elements ~~is~~being connected in series to a unit transistor.

8. (Currently Amended) The electronic circuit according to Claim 7, ~~wherein~~ the compensating transistor ~~is~~being a transistor having a characteristic almost equal to that of the unit transistor.

9. (Currently Amended) The electronic circuit according to Claim 6, ~~wherein~~ the current generating transistors and the compensating transistors ~~are~~being formed at positions adjacent to each other and have almost the same threshold voltage value.

10. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ the transforming circuit ~~comprises~~comprising an initializing ~~means~~for turning device that turns on the compensating transistor.

11. (Currently Amended) The electronic circuit according to Claim 1, ~~wherein~~ the transforming circuit ~~comprises~~comprising a voltage-stabilizing ~~means~~device.

12. (Currently Amended) The electronic circuit according to Claim 11, ~~wherein~~ the voltage-stabilizing ~~means~~comprises device comprising capacitors.

13. (Currently Amended) An electro-optical device, comprising:  
a control circuit ~~for outputting~~that outputs digital luminance gradation data;  
a driving circuit ~~for generating~~that generates an analog driving signal based on the digital luminance gradation data; and

a pixel circuit ~~for driving~~that drives an electro-optical element based on the analog driving signal,

~~wherein~~ the driving circuit ~~changes~~changing a reference voltage value with a converting circuit to supply ~~it~~the reference voltage to control terminals of a plurality of current-generating active elements and to establish a conduction state in the plurality of current-generating active elements, and ~~selects~~selecting some of the plurality of current-generating active elements based on the digital luminance gradation data, and ~~superposes~~superposing currents that pass through an current-generating active elements selected by the digital luminance gradation data, ~~from~~ among the plurality of current-

generating active elements, to thereby generate an analog driving signal having a current level corresponding to the digital luminance gradation data.

14. (Currently Amended) An electro-optical device, comprising:  
a control circuit ~~for outputting~~ that outputs digital luminance gradation data;  
a driving circuit ~~for generating~~ that generates an analog driving signal based on the digital luminance gradation data; and  
a pixel circuit ~~for driving~~ that drives a current driving element based on the analog driving signal,

~~wherein~~ the driving circuit ~~comprises~~ comprising a plurality of current-generating active elements; a transforming circuit ~~for generating~~ that generates an applied voltage which is applied to control terminals of the plurality of current-generating active elements by changing a reference voltage; and selection transistors connected in series to each of the plurality of current-generating active elements, and

~~wherein~~ a current having a current level corresponding to said digital luminance gradation data ~~is being~~ generated by superposing the currents that pass through a selection transistor in which an ON-state is selected, ~~from~~ among the selection transistors, based on the signal and the current-generating active elements connected in series to the selected selection transistor ~~from~~ among the plurality of current-generating active elements.

15. (Currently Amended) The electro-optical device according to Claim 13, ~~wherein~~ the transforming circuit ~~comprises~~ comprising a compensating transistor ~~having a function for reducing~~ that ~~reduces~~ the reference voltage value by a predetermined value or a function for adding that adds a predetermined value to the reference voltage value.

16. (Currently Amended) The electro-optical device according to Claim 13, ~~wherein~~ each of the plurality of current-generating active elements ~~comprises~~ comprising at least one transistor.

17. (Currently Amended) The electro-optical device according to Claim 13, ~~wherein~~ the plurality of current-generating active elements ~~are being~~ connected in parallel to each other.

18. (Currently Amended) The electro-optical device according to Claim 13, ~~wherein~~ each of the plurality of the current-generating active elements ~~comprises~~ comprising a current generating transistor, and the current generating transistors ~~have~~ having different gain factors from each other.

19. (Currently Amended) The electro-optical device according to Claim 13, wherein at least one of the plurality of current-generating active elements is being connected in series to a unit transistor.

20. (Currently Amended) The electro-optical device according to Claim 19, wherein the compensating transistor is being a transistor having a characteristic almost equal to that of the unit transistor.

21. (Currently Amended) The electro-optical device according to Claim 18, wherein the current generating transistors and the compensating transistors are being formed at positions adjacent to each other, and have almost the same threshold value voltage.

22. (Currently Amended) The electro-optical device according to Claim 13, wherein the transforming circuit comprisescomprising an initializing means for turningdevice that turns on the compensating transistor.

23. (Currently Amended) The electro-optical device according to Claim 13, wherein the transforming circuit comprisescomprising a voltage-stabilizing means device.

24. (Currently Amended) The electro-optical device according to Claim 23, wherein the voltage-stabilizing means comprisesdevice comprising capacitors.

25. (Currently Amended) The electro-optical device according to Claim 13, wherein the electro-optical element is being an electroluminescent (EL) element.

26. (Currently Amended) The electro-optical device according to Claim 25, wherein the EL element comprisescomprising a light-emitting layer made up of organic materials.

27. (Currently Amended) An electronic apparatus packaged with the electronic circuitscircuit according to Claim 1.

28. (Currently Amended) An electronic apparatus packaged with the electro-optical devicesdevice according to Claim 13.

29. (New) The electronic circuit as set forth in Claim 1, at least one current generating active element of the plurality of current generating active elements including a parallel connection of the unit transistor.

30. (New) The electro-optical device as set forth in claim 13, at least one current generating active element of the plurality of current generating active elements including a parallel connection of the unit transistor.